

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Tapesh Yadav, et al.

Serial No. \_\_\_\_\_

Filed: Herewith

For: NANOMATERIAL COMPOSITIONS  
WITH DISTINCTIVE SHAPE AND  
MORPHOLOGY

Group Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.56

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450


Sir:

Applicant hereby submits for filing under 37 C.F.R. 1.97 a disclosure statement. In submitting these references, no representation is made or implied that the references are or are not material to the examination of this application. The patents, publications or other information of which Applicant is presently aware are listed in Form PTO/SB/08A submitted herewith and copies of all such patents and publications are attached hereto.

No fee is believed due for this submittal. However, any fee deficiency associated with this submittal may be charged to Deposit Account No. 50-1123.

Signed on March 29, 2004.

Respectfully submitted,



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<b>PTO/SB/08A (10/01)</b> (Substitute for form 1449A/PTO)		<b>ATTY. DOCKET NO. A15 DIV16</b> Client/Matter No. 80741.0010.016		<b>APPLICATION NO.</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)  Sheet <u>  1  </u> of <u>  3  </u>		<b>FIRST NAMED INVENTOR</b> Tapeshe Yadav, et al.			
		<b>FILING DATE</b>		<b>ART UNIT</b>	

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials	Cite No.	Document No. No. – Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No.	Foreign Patent Doc cntry code – No. – Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	Pages, Columns. Lines Where Relevant Passages or Relevant Figures Appear	TRANSLATION
						YES NO

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials	Cite No.	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published
	1.	XUCHUAN JIANG, THURSTON HERRICKS, AND YOUNAN XIA, CuO Nanowires Can be Synthesized by Heating Copper Substrates in Air, Nano Letters, Published on Web 10/24/2002, Volume 2, Number 12, December 2002.
	2.	YUGANG SUN, BYRON GATES, BRIAN MAYERS, AND YOUNAN XIA, Crystalline Silver Nanowires by Soft Solution Processing, Nano Letters, Published on Web 01/03/2002, 2002, Volume 2, Number 2, 165-168.
	3.	HAI-FENG ZHANG, ALICE C. DOHNALKOVA, CHONG-MIN WANG, JAMES S. YOUNG, EDGAR C. BUCK, AND LAI-SHENG WANG, Lithium-Assisted Self-Assembly of Aluminum Carbide Nanowires and Nanoribbons, Nano Letters, Published on Web 12/14/2001; 2002, Volume 2, Number 2, 105-108.

<b>EXAMINER SIGNATURE</b>	<b>DATE CONSIDERED</b>
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						YES	NO

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published
	4.	WILLIAM E. BUHRO AND VICKI L. COLVIN, Semiconductor Nanocrystals Shape Matters, Nature Materials, Vol. 2, March 2003.
	5.	DELI WANG AND CHARLES M. LIEBER, Inorganic Materials Nanocrystals branch out, Nature Materials, Vol. 2, June 2003.
	6.	YIYING WU, RONG FAN, AND PEIDONG YANG, Block-by-Block Growth of Single-Crystalline Si/SiGe Superlattice Nanowires, Nano Letters, Published on Web 01/19/2002, 2002, Vol. 2, No. 2, 83-86.

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	7.	HYUN S. MYUNG, JEON G. HAN, AND JIN H. BOO, A Study on the Synthesis and formation behavior of nanostructured TiN films by copper doping, Surface and Coatings Technology, 177-178 (2004) 404-408
	8.	J. SCHOONMAN, Nanostructured Materials in Solid State Ionics, 135 (2000) 5-19
	9.	RICHARD LANE, BENJAMIN CRAIG AND WADE BABCOCK, Materials Engineering with Nature's Building Blocks, APMTIAC, 2002 ( <a href="http://amptiac.alionscience.com/pdf/materialease/2002MaterialEase17.pdf">http://amptiac.alionscience.com/pdf/materialease/2002MaterialEase17.pdf</a> )
	10.	OTHON ADAMOPOULOS, ET AL., The Characterisation and Reactivity of Nanostructured cerium-copper-oxide composites for environmental catalysis, Materials Research Society, Symp. Proc., Vol. 676 (2001)
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